POLICY BRIEF JULY 18, 2018

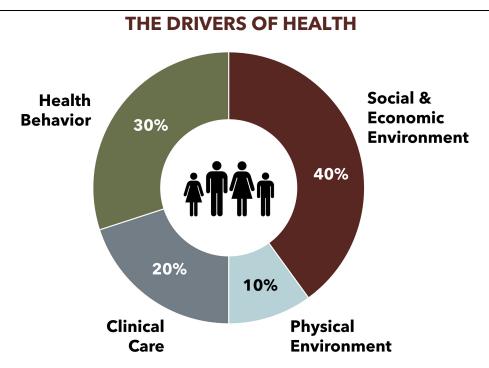
THE DRIVERS OF HEALTH: 4 FACTORS THAT INFLUENCE INDIVIDUAL AND POPULATION HEALTH

Tennessee fares worse than the national average on nearly every <u>key health metric</u>. We are more likely to suffer from most chronic diseases, more likely to die from the 10 leading causes of death, and more likely to report our health is fair or poor than the average American. (1) (2)

To understand why, we have to realize that health includes more than just health care. Research shows there are 4 broad factors (other than genetics) that influence our health. (3) (4) (5)

- The Social and Economic Environment
- Health Behavior
- Clinical Care
- The Physical Environment

We call these influencing factors the drivers of health. While the percentages may vary from study to study, research shows that some drivers have more influence on health than others. (4) Another term for the drivers of health is the social determinants of health.



Source: McGovern, Laura; Miller, George; and Hughes-Cromwick, Paul (4)

THE SOCIAL & ECONOMIC ENVIRONMENT

The social and economic environment includes things like education, jobs, income, and social support. Our social and economic environments affect whether we have access to a quality education, job opportunities, safe neighborhoods, social support, and healthy foods. All of these factors influence health. In fact, a person's education and income are the greatest predictors of their health. (5) Individuals with higher levels of education and income tend to live longer, healthier lives. (6) (7) This relationship exists at both the individual and community level. (8) People who live in wealthy, highly-educated communities are more likely to be in better health and live longer than those who do not.

POLICY BRIEF THE DRIVERS OF HEALTH

HEALTH BEHAVIOR

Our health behaviors are the choices we make that affect the length and quality of our lives. Some of the most significant health behaviors are smoking, physical activity, and diet. (4) All 3 affect a person's risk for developing diabetes, cardiovascular disease, cancer, obesity, and other chronic illnesses. (9) Behavioral change in these 3 areas can seriously affect our health outcomes and quality of life. While health behaviors are a personal choice, our environments can encourage or discourage certain behaviors.

CLINICAL CARE

Clinical care refers to any interaction with the health care system, ranging from preventive activities like vaccines and screenings to the treatment of particular diseases and conditions. It can occur in a variety of settings, including outpatient clinics, hospitals, public health departments, long-term care facilities, and in some cases our own homes. Effective health care is accessible, affordable, timely, and high quality. (10)

THE PHYSICAL ENVIRONMENT

The physical environment encompasses the natural and built environments – including transportation systems, buildings, and public resources. (11) People's school, work, and home environments have a direct effect on their health and also influence their health behaviors. (12) For example, access to sidewalks, parks and playgrounds offer opportunities for physical activity, while exposure to pollution or unsafe drinking water contributes to health conditions like asthma and waterborne illness.

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POLICY BRIEF THE DRIVERS OF HEALTH

CONNECTIONS BETWEEN THE DRIVERS OF HEALTH

The drivers of health are complex and interconnected. Each one can influence the other drivers in addition to our overall health. For example, a person's economic means and environment can encourage or discourage healthy behaviors. The drivers' effects on health can also accumulate over time.

<u>All our work on the drivers of health is available here</u>. Examples that dig deeper into the complex relationships between the drivers of health and health outcomes include:

How Transportation Impacts Public Health

(February 21, 2017) Summarizes existing research on how transportation systems can affect health and well-being, both directly and indirectly.

The Health and Housing Connection - How Affordability and Quality Contribute to Health Outcomes

(April 20, 2017) Discusses what the research says about the connection between affordable, quality housing and health and provides relevant housing data for Tennessee.

5 Ways Public Policy Impacts Health

(May 4, 2017) An introductory discussion of how different areas of public policy can impact the drivers of health and ultimately health outcomes.

Food Insecurity and Obesity in Tennessee: Understanding the Paradox

(May 16, 2017) Explores the links between the two conditions and what they mean for health and well-being in our state.

How Childhood Experiences Affect Lifelong Health

(July 5, 2017) Looks at the science of adverse childhood experiences (ACEs), their health and economic impact, the prevalence of ACEs in Tennessee, and what our state is doing about it.

How Education Influences Health in Tennessee

(December 21, 2017) Explains the mutually influential relationship between health and education.

How Socioeconomic Factors Affect Health in Tennessee

(June 6, 2018) Explores the complicated relationship between income, wealth, education, social standing, and health outcomes.

WHAT ABOUT GENETICS?

Obviously, genetics also play a role in the health of individuals and the populations to which they belong. (3) (4) (5) Some of us have genes that make us more susceptible to certain diseases. Other genes may affect our propensity for physical activity, and so forth. What separates genetics from the 4 drivers of health discussed above, however, is the direct influence of public policy and the availability of data.

<u>"Public policy"</u> refers to the system of laws, regulatory measures, courses of action (or inaction), and funding priorities implemented by a government entity or its representatives. These levers of public policy have tremendous influence on our social and economic environments, our health behaviors, our clinical care, and our physical environments. Technological breakthroughs and a deeper understanding of "epigenetics" (i.e. how genetics are impacted by environments and experiences) are bringing the subject of genetics closer to the realm of public policy. However, data on genetics are not routinely collected or publicly available.

POLICY BRIEF THE DRIVERS OF HEALTH

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Written By
Courtnee Melton, PhD
Policy Analyst
CMelton@SycamoreInstituteTN.org

Other TSI Staff **Laura Berlind**Executive Director

Mandy Pellegrin
Policy Director

Brian StraessleCommunications Director

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